

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) |

Welcome United States Patent and Trademark Office

[Advanced Search](#)[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)**OPTION 1**

Enter keywords or phrases, select fields, and select operators.

 in **All Fields**[Help](#) in **All Fields** in **All Fields**

» Publications

 [Select publications](#) [IEEE Periodicals](#) [IET Periodicals](#) [IEEE Conference I](#) [IET Conference Pr](#) [IEEE Standards](#)

» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

**OPTION 2**

Enter keywords, phrases, or a Boolean expression

[Help](#)

» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

» Learn more about [Field Codes](#), [Search Examples](#), and [Search Operators](#)

» Other Resources (Available)

 [IEEE Books](#) [Educational Courses](#)

» Standard Status

(Applies to IEEE Standards)

Status

» Select date range

 [Search latest content](#) [From year](#)

» Display Format

 [Citation](#) [Citation](#)

» Organize results

Maximum Display resultsSort by In Indexed by
[Help](#) [Contact Us](#)

© Copyright 2008